



Jessica Hauer

A proven leader, spokesperson, and successful professional with 20+ years of experience in the academic arena ranging from K-12, community college, and university levels.



CONTINUING EDUCATION

- The University of Minnesota, Micro & Nano Health and Safety Course, 2022
- High Tech High, Project-Based Learning Bootcamp, 2020
- ASU Quantum Energy & Sustainable Solar Technology (QESST) Research Experience for Teachers (RET), 2019
- ASU Nanotechnology Enabled Water Treatment (NEWT) RET, 2017
- The University of New Mexico Southwest Center for Microsystems Fabrication, In-lab Training, 2016
- Penn State University, workshop in Nanotechnology Applications and Fabrication, 2015
- Association of Energy Engineers, Energy Management, 2014
- Professional Learning Communities, 2013
- Northern Arizona University, Geospatial Data thru EYE-POD Project, 2013
- AVID Elective & Science Teacher Training, 2012
- The University of Arizona, AZ START RET, McGraw Life Sciences Lab, 2012
- ASU, Sustainability Science for Sustainable Schools, Graduate Research, 2011



CONTACT



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Linked In

/jessica-hauer-sidell



WORK EXPERIENCE

07/2021-
current

Arizona State University

- Educational Outreach Coordinator, Fulton School of Electrical, Computer & Energy Engineering. National Nanotechnology Coordinated Infrastructure.
- Teacher, HS Engineering & STEM Electives at ASU Preparatory Academy (21-22)

07/2023 -
current

Cartwright School District

- Director of Educational Technology & Innovation
- Director of Science, Technology, Engineering & Math (STEM), College and Career Readiness, Special Areas, Athletics & Field Trips

07/2012 -
current

Arizona SciTech Institute

- Champion & Collaborator
- Street Team Lead, AZ SciTech Festival
- Consultant, Chief Science Officers

01/2013 -
5/2023

Rio Salado College

- Adjunct Faculty, Semiconductor Manufacturing/ Nanotechnology (2021-'23)
- Grant Manager & Faculty Support, Engineering New Leadership in STEM Teaching (ENLIST) Teacher Professional Development Program funded by Science Foundation Arizona (2013-'18)

09/2017 -
07/2021

Alhambra Elementary District

- Director, Strategic Initiatives & Marketing
- Coordinator, Resource Development
- Coordinator, Energy & Sustainability

07/2015 -
06/2018

Arizona State University

- Educational Outreach Coordinator, LeRoy Eyring Center for Solid State Science
- Faculty, Materials Science Engineering, Science Service Learning
- Research Professional, Julie Ann Wrigley Global Institute of Sustainability

07/2008 -
06/2016

Tempe High School District

- Energy & Sustainability Coach
- Teacher, Career & Technical Education, Sustainability, Biology, Special Education

07/2005 -
05/2008

Phoenix High School District

- Teacher, Special Education
- Reading Specialist

03/2002-
05/2005

Premier Charter High School

- Teacher, Science & Special Education

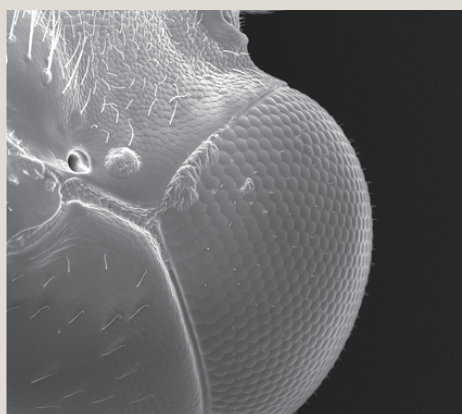


Photo by Jessica Hauer

'Ant Eye', Scanning Electron Microscope
image 500x at Paloma Elementary School
Biomimicry outreach event in 2017.

EDUCATION

Northern Arizona University

MS Educational Leadership (in progress)

Arizona State University

MS Program Evaluation & Data

Analytics,

Sustainability, graduate coursework

University of Phoenix

Teacher Continuing Ed, Reading

Endorsement

Rio Salado College

Post-baccalaureate Teacher Prep

Program- Special Education

Bowling Green State University

BS Environmental Science



CERTIFICATIONS

Arizona Department of Education

- Career & Technical Education, Industrial and Emerging Technologies
- Environmental Science
- Special Education Cross-Categorical
- Reading Specialist



REFERENCES

Marco Ruiz

Cartwright School District

Dr. Trevor Thornton

Arizona State University

Dr. Jeremy Babendure

SciTech Institute

Mark Yslas

former Supt, Alhambra Elementary

Dr. Rick Vaughn

Rio Salado College

Susan Faretta

Arizona Dept. of Education

Career & Technical Education



COMMUNITY ENGAGEMENT & SPECIAL APPOINTMENTS

National Nanotechnology Collaborative

Infrastructure (NSF Engineering Research Center)

Evaluation Working Group Committee Lead, 2022- Present

Arizona Technology in Education Association

Member, 2020 - Present

Arizona Science Teachers Association

Member, 2010- Present

Arizona Association of Energy Engineers

Member, 2012- 2020

Salt River Project

School of Energy program support, 2013- 2019

City of Tempe

Geeks Night Out Planning Committee, 2014- 2018

Sustainability Commission Member, 2016- 2017

US Green Building Council

Arizona Chapter Vice-President, 2013- 2014

Tempe Union High School District

Sustainability Professional Learning Community,

2010- 2015. Career & Technical Ed Evaluation Committee,

2012- 2014



AWARDS & RECOGNITIONS

- **National Nanotechnology Coordinated Infrastructure, Education & Outreach Award, 2024**
- **YWCA Equity in STEM Award, 2023**
- **ASU Prep Academy Teacher of the Week, 2022**
- **City of Phoenix "Recycling Champion", 2019**
- **Grand Canyon University STEM Impact Challenge, 2018**
- **SRP Champion of Energy Efficiency, 2018**
- **Az Recycling Coalition Award, 2018**
- **ASU Pitchfork Finalist Most Promising New Club, 2017**
- **Az Governor's Office of Energy Policy Award of Excellence for Energy Education, 2014**
- **City of Tempe Center for the Arts Local Green Professional Honoree, 2013**
- **US Green Building Council Heavy Medals Award, 2013**
- **Chevron Energy Solutions Achievement Award, 2012-13**
- **Valley Forward Award of Merit for Environmental Excellence for ASU Sustainable Schools Program, 2012**